

DINAKSYAN, Artashan Movsesovich; ZBORYKIN, K.A., otvetstvennyy redaktor;
SHATILINA, M.K., redaktor; SHUMIKHIN, K.F., tekhnicheskiy redaktor

[New telemetering instruments for hydrometeorological purposes]
Novye teleizmeritel'nye gidrometeorologicheskie pribory.
Leningrad, Gidrometeor. izd-vo, 1957. 135 p. (MLRA 10:5)
(Meteorological instruments) (Telemetering)

DILAKSYAN, A.M.

Telemetering the level of underground waters. Trudy GGI no.70:36-45
' 58. (MIRA 11:11)
(Water, Underground--Measurement)

DIMAKSYAN, A.M.

Radioactive method of measuring concentrations of river sediments. Trudy GGI no.77:129-141 '60. (MIRA 13:5)
(Gamma rays) (Hydrology--Research)

DIMAKSYAN, A.M.

Radioactive measurements of some elements of the hydrological regime. Meteor. i gidrol. no.12:32-36 D '60. (MIRA 13:11)
(Hydrology--Research) (Gamma rays)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

DIMAKSYAN, A.M.

Radiometer for velocity measurements of water streams. Trudy GGI
no.84:64-69 '60. (MIREA 13:11)
(Stream measurements) (Radiometer)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4"

DIMAKSYAN, A.M.; ZOTIMOV, N.V.; ZYKOV, N.A.

Using radar to measure the intensity of rains. Trudy GGI no.87:
3-26 '62. (MIRA 15:8)
(Radar meteorology) (Rain and rainfall)

DIMAKSYAN, A.M.

Using nuclear radiations for remote measurement of the amount
of water in snow. Trudy GGI no.87:27-45 '62. (MIRA 15:8)
(Radioactive snow gauges)

DIMAKSYAN, A.M.; ZOTIMOV, N.V.

Method of calibrating radar according to the intensity of rain.
Meteor. i gidrol. no.12:40-43 D '62. (MIRA 15:12)

1. Gosudarstvennyy gidrologicheskiy institut.
(Radar meteorology)

S/1.69/63/000/001/023/062
D21.8/D307

AUTHORS: Dimaksyan, A.M., Zotimov, N.V. and Zykov, N.A.

TITLE: Measurement of rainfall intensity by the radar method

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1963, 24,
abstract 1B147 (Tr. Gos. gidrolog. in-ta, 1962,
no. 87, 3-26)

TEXT: A comparison is given of radar and ombrometer data on rainfall intensity over a territory of 10,000 km². The average area covered by each of the rainfall measuring points lay between 31 and 97 km². The properties of the underlying surface were such that the variability in the rainfall intensity over the territory was 20%. Nonuniformity in the distribution of the rainfall intensity over the area was such that the radar and ombrometer data could not be reliably compared without sufficient averaging. Hence the radar station was calibrated using rainfall intensity data which were averaged over 5-70 minute intervals and over groups of ombrom-

Card 1/2

Measurement of rainfall ...

S/169/63/000/001/023/062
D218/D307

eters. As a result of the analysis of the data, a linear relation was obtained between the radio-echo amplitudes and the rainfall intensity at fixed distances. The slopes of these straight lines increase in proportion to the square of the distance to be object under investigation. A nomogram is constructed which may be used to deduce the rainfall intensity from the amplitude of the echo and the range. The average relative experimental error is about 20%, although it may be much higher in individual cases.

[Abstracter's note: Complete translation]

Card 2/2

DIMAKSYAN, A.M.; POGETAREV, V.I.

Use of some methods of information theory in studying
hydrometeorological processes. Meteor. i gidrol. no.12:
37-42 D '63. (MIRA 17:3)

1. Gosudarstvennyy hidrologicheskiy institut.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

DIMAKSYAN, A.M.; POCHTAREV, V.I.

Criteria for the adequacy of information in studying hydrometeorological processes. Trudy GGI no.10(1:5-18 '63. (MIRA 16:7)
(Hydrometeorological research)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4"

BOGOMOLOV, A.M.; DIMAKSYAN, A.M.; PETROV, V.P.

Principles of constructing an automatic hydrological telemetering system. Trudy GGI no.101:19-43 '63. (MIRA 16:7)
(Hydrometeorology) (Telemeter) (Automatic control)

DIMAKSYAN, A.M.

Pulse follow-up system of measuring the level of water. Trudy GGI
no.101:68-72 '69. (MIRA 16:7)
(Hydrology—Equipment and supplies)

DIMAKSYAN, A.M.; LESHCHUK, I.A.; PETROV, V.P.; POGORELYY, V.I.

Operating principle and description of the basic nodes of the
first variant of an automatic telemetering system. Trudy GGI
no.115;3-13 '64.
(MIRA 18;9)

621.38.019.3

57
B

SOURCE: Fiz. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Sv. t.,
Abs. 6A13

AUTHOR: Petrov, V.P.; Dimakyan, A.M.

TITLE: Procedure for calculating the reliability of radioelectronic mechanisms in
designing hydrometeorological telemetering stations, systems and instruments

CITED SOURCE: Tr. Gos. hidrolog. in-ta, vyp. 115, 1961, 81-122

TOPIC TAGS: telemetering equipment, reliability calculation, evaluation coefficient,
hydrometeorological instrument

TRANSLATION: The report discusses the general concepts of the theory of reliability
and cites a procedure for calculating non-repairable systems from λ -characteristics.
The authors introduce supplemental equipment evaluation factors: the applicability
coefficient, overload coefficient and controllability coefficient. Given are 33 graphs
for the dependence of the operating failure rate coefficient on fluctuations in environ-
mental temperature and magnitude of electrical load in relation to various

Card 1/2

L 57793-15						
ACCESSION NR: AR 5014 69						
radioelectronic elements by examples. Bibl. with 9 titles; 37 illustrations. Yo. G.						
SUB CODE: FC		ENCL	00			
AJP Card 2/2						

L 38691-66 EWT(d)/EWP(w)/EWP(k)/EWF(h)/EWP(1) BC
ACC NR: AT6017532 (A)

SOURCE CODE: UR/3186/65/000/130/0003/0097

AUTHOR: Dimakyan, A. M. (Candidate of technical sciences); Petrov, V. P.; Leshchuk, I. A.

ORG: None *X*

46
B+1

TITLE: Layout and working principle of a grouped system of automatic hydrologic telemetering stations

SOURCE: ~~Leningrad. Gosudarstvennyy gidrologicheskiy institut. Trudy, no. 130, 1965.~~
~~Primeneniye avtomatiki, radioelektroniki i yadernykh izlucheniy pri hidrologicheskikh issledovaniyakh (Application of automation, radio electronics and nuclear radiation in hydrological studies), 3-97~~

TOPIC TAGS: hydrologic instrument, telemetry equipment, electronic measurement

ABSTRACT: The authors describe the layout and operating principles of the units, devices and equipment for automation, remote control and signalization in the pilot model of a grouped system of automatic hydrologic telemetering stations developed in 1962-64 by the Department of Isotopes and Radio Electronics of the State Hydrological Institute in cooperation with the Chair of Telegraphy of the Odessa Electrical Engineering Institute of Communications. The entire system is based on modular construction, and highly reliable ferristor elements are used throughout. The design of the system is described

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ACC NR: AT6017532

in detail in Trudy GGI, no. 101 (1963) and no. 115 (1964). Systems of this type are designed for automating the following processes: 1. measurement, 2. conversion (coding), 3. information processing (correcting for nonlinearity in the pickup, 4. information transmission, 5. sorting, and 6. accumulating information on punched tape or other types of memory carriers. The electronic elements used in the units and equipment of the system are described, diagrams of each of them are given and their purposes are stated. Diagrams and descriptions are also given for the various subunits used in the system. Orig. art. has: 34 figures.

SUB CODE: 09, 08/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 000

Card 2/2 SC

L 36066-66 EWT(1)/FCC RB/GW
ACC NR: AT6017534 (N)

SOURCE CODE: UR/3186/65/000/130/0122/0131

AUTHOR: Dimakyan, A. M. (Candidate of technical sciences); Zotimov, N. V.

ORG: none

31
B+1

TITLE: Work results of liquid precipitation measurements based on radar

SOURCE: *Leningrad. Gosudarstvennyy gidrologicheskiy institut. Trudy, no. 130, 1965. Primeneniye avtomatiki, radioelektroniki i yadernykh izlucheniy pri gidrologicheskikh issledovaniyakh (Application of automation, radio electronics and nuclear radiation in hydrological studies), 122-131

9M

TOPIC TAGS: meteorologic radar, radar calibration, radar transmitter, radar receiver

ABSTRACT: The possible use of radar in measuring total amount and intensity of liquid precipitation is discussed. The correlation between the magnitude of the radar echo signal and the intensity of precipitation is established. Using a differential calibration method, a radar installation can measure rain intensity for any season of the year. This calibration is applicable to any kind of radar station. It is concluded that in order to record precipitation during any period of the year (for a 100 km radius) it is necessary to have radar transmitters and receivers with a sensitivity 20 times greater than the existing models. The combined use of amplitude analyzers and computers is recommended. Orig. art. has: 6 figures.

SUB CODE: 04,17/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 001
Card 1/1 vmb

L 36069-66 EWT(1)/EWT(m) JXT(C2)/GW
ACC NR: AT6017536 (A)

SOURCE CODE: UR/3186/65/000/130/0163/0183

AUTHOR: Dimakyan, A. M. (Candidate of technical sciences)

48

ORG: none

43

B+1

TITLE: Results of experimental research on a device (RD-1S) for flow velocity measurement by the radioactive method

24

SOURCE: Leningrad. Gosudarstvennyy gidrologicheskiy institut. Trudy, no. 130, 1965. Primeneniye avtomatiki, radioelektroniki i yadernykh izlucheniy pri gidrologicheskikh issledovaniyakh (Application of automation, radio electronics and nuclear radiation in hydrological studies), 163-183

TOPIC TAGS: radiometer, liquid flow, radioactivity measurement

10

ABSTRACT: Laboratory and field tests on an improved RD-1S radiometer are described. The radiometer is portable and is designed for the measurement of the velocity of surface and subsurface water flow, melted snow water on slopes, water in streams and rivers, etc. The radiometer registers gamma radiation above 50 kev. The radioactive agent used in the tests was radioactive iodine. Absorption and absorption problems governing the selection of radioactive agents and techniques for introducing them into various media are discussed in detail. A photograph and a wiring diagram of the device are given. It is concluded that radioactive isotopes of heavy metals (in the form of

Card 1/2

L 36069-66

ACC NR: AT6017536

complex salts) should be used for measuring the filtration of water in soils. V. M. Vinogradov, L. V. Grigor'yev, and V. I. Moskvitin participated in the development and in laboratory and field testing of the device. V. V. Romanov and I. V. Kuznetsov, members of a government testing commission, were credited with rendering great assistance in developing methods for measurement with the RD-1S and in carrying out the field tests. Orig. art. has: 11 figures, 7 tables.

SUB CODE: 18,14/ SUBM DATE: none/ ORIG REF: 009

Cord 2/2 vmb

L 07347-67

ACC NR: AP6012159

SOURCE CODE: UR/0413/66/000/007/0077/0078

22
BAUTHORS: Dimakyan, A. M.; Vinogradov, V. M.

ORG: none

TITLE: A method for measuring soil moisture. Class 42, No. 180405

SOURCE: Izobreteniya, promyshlennyye obraztay, tovarnyye znaki, no. 7, 1966, 77-78

TOPIC TAGS: moisture measurement, ultrasonic vibration, ultrasonic vibration emitter, soil

ABSTRACT: This Author Certificate presents a method for measuring soil moisture. To simplify the method of obtaining field measurements, soil moisture is determined from the time necessary for passing direct or reflected ultrasonic vibrations from their emitter to the receiver through a given thickness of soil layer, either in the horizontal or vertical direction. Two vertical holes at a small horizontal distance from one another may be used as a base for the emitter and the receiver of the ultrasonic vibrations. To determine the total amount of moisture in the investigated layer of soil, the emitter and the receiver may also be placed on the surface, and the reflector at a desired depth.

Card 1/1a SUB CODE: 08/ SUBM DATE: 28Nov51 UDC: 631.423.2:534.143-8

DIMAN, Ye.N.; NEKRASOV, I.Ya.

Hydrothermal synthesis of nordenskioldine and its analogs. Dokl.
AN SSSR 164 no.4:894-897 O '65. (MIRA 18:10)

1. Institut geologii Yakutskogo filiala Sibirskogo otdeleniya AN
SSSR. Submitted May 17, 1965.

NEKRASOV, I.Ya.; DIMAN, Ye.N.; BROVKIN, A.A.; KOMAR, L.V.

New type of tin mineralization in magnesian skarns in the northeastern part of the U.S.S.R. Geol. rud. mestorozh. ? no.2;50-62 Mr-Ap '65.
(MIRA 18:7)

I. Institut geologii Yakutskogo filiala Sibirskogo otdeleniya AN SSSR.

DIMANCIU, S.

"Not an inch of land should remain unseeded", p. 18 (Stinta Si Cultura, Vol. 5, no. 3, Mar. 1953, Bucuresti)

SO: Monthly List of East European Accessions, Library of Congress, September 1953, Uncl.

DIMAND, I.A.

Similtaneous resection of the small intestine and the sigmoid following acute intestinal obstruction. Zdravookhranenie 2 no.1:57 Ja-F '59.
(MIRA 12:7)

1. Iz khirurgicheskogo otdeleniya bol'nitsy Yedinetkogo rayona
(glavnnyy vrach - I.A. Dimand).
(INTESTINES--SURGERY)

BABSKIY, Ye.B., akademik; SORIN, A.M.; BELOUSOV, A.S.; ZHUKOV, Yu.S.;
DIMANIS, V.I.

Radiotelemetric investigation of temperature in the digestive tract
of man. Dokl. AN SSSR 149 no.5:1213-1216 Ap '63. (MIRA 16:5)

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR i
Terapevcheskaya klinika Tsentral'nogo instituta usovershenstvo-
vaniya vrachey. 2. AN UkrSSR-(for Babskiy).
(ALIMENTARY CANAL) (BODY TEMPERATURE)
(TELEMETER (PHYSIOLOGICAL APPARATUS))

L 13037-65 EWG(j)/EWG(r)/ET(1)/PS(r)-1/EMU(r)/EWG(a)/EM(c) - Pb-4; re-5/Po-1
 AFD/AFMDC/APTC(b)/ED(c) D
 ACCESSION NR: AP404733 S/0020/64/158/004/0993/0996

AUTHOR: Babeskiy, Ye. B. (Academyian AN UkrSSR); Sorin, A. M.;
 Belousov, A. S.; Dimash, V. I.; Malikman, I. I.

TITLE: Radiotelemetric investigation of pressure in the human gastro-intestinal tract B

SOURCE: AN SSSR. Doklady*, v. 158, no. 4, 1964, 993-996

TOPIC TAGS: biotransmitter, radio capsule, gastrointestinal pressure, bioinstrumentation

ABSTRACT: A radiotelemetric device for studying pressure along the gastrointestinal tract is presented, consisting of a radio transmitter, an endoradiosonde, and a receiver-analyzer with an antenna and a recording instrument. The endoradiosonde for registering pressure consists of an inductance pickup, a high-frequency generator, and a feed source. The overall dimensions of this device are: 1) length, 18-20 mm; 2) diameter, 8 mm; 3) weight, 2.1 gm. The pressure pickup consists of an inductance coil with two ferrite rings on end plates and a mobile ferrite rod suspended by a spiral spring and attached to

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L 13637-65

ACCESSION NR: AP404733

2

a hermetically sealed membrane which, in turn, is connected to the end plates of the capsule. During pressure fluctuations between 0 and 200 cm (water column), displacement of the ferrite rod does not exceed 0.5 mm. Some of the radiocapules can measure pressure from -50 to +200 cm. The generator operates at a frequency of 2 mc. The seed source serves a miniature 1.5-v. mercury-oxide unit, with a capacitance which ensures continuous operation of the generator for 100 hr. The capsule is enclosed in a thin, hermetic shell and takes 1-2 days to pass through the human GI tract. The position of the capsule in the GI tract is determined by x-ray. The construction of the capsule is such that it can register pressure variations and duration of muscle contraction along the entire GI tract. Orig. art. has: 4 figures.

ASSOCIATION: Institut normal'noy i patologicheskoy fiziologii Akademii meditsinskikh nauk SSSR (Institute of Normal and Pathological Physiology, Academy of Medical Sciences SSSR); Tsentral'nyy institut usovershenstvovaniya vrachey (Central Institute of Graduate Medicine)

Card 2/3

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

I 13637-65								
ACCESSION NR: AP404733								
SUBMITTED: 28Apr64	ENCL: 00				SUB CODE: LS, EC			
NO REF SOV: 000	OTHER: 004				ATD PRESS: 3130			
Card 3/3								

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4"

BABSKIY, Ye.B., akademik; SORIN, A.M.; BELOUSOV, A.S.; DIMANIS, V.I.;
MALKIMAN, I.I.

Radiotelemetric study of the pressure inside the human digestive
tract. Dokl. AN SSSR 158 no.4:993-996 O '64.

1. Institut normal'noy i patologicheskoy fiziologii AMN SSSR i
TSentral'nyy institut usovershenstvovaniya vrachey. 2. AN UkrSSR
(for Babskiy).

(MIRA 17:11)

Dimand, S.V.

MILYUTINA, Ye.Ya.; SIMKHOVICH, Ye.I.; DIMAND, S.V.

Results of malaria and helminth infections control in the Moldavian
S.S.R. Med.paraz. i paraz.bol. 26 no.5:588-592 S-0 '57. (MIRA 11:2)

1. Iz Respublikanskoy sanitarno-epidemiologicheskoy stantsii
(glavnnyy vrach A.Kovalev)
(MALARIA, prev. & control
in Moldavian Russia (Rus))
(HELMINTH INFECTIONS, prev. & control
same)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

DIMANOV, D.

Unused reserves for increasing the labor productivity in the Railroad Administration in Flodiv. p. 9. TRANSPORTNO DELO. Sofiya. Vol. 7, no. 7, 1955.

SOURCE: East European Accessions List. (EEAL) Library of Congress. Vol. 5, No. 8, August 1956.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4"

VIMANT H L

USSR/Electricity - Semiconductors

G-3

Abs Jour : Ref Zhur .. Fizika, No 3, 1957, No 7008

Author : Fokatilov, Ye.P., Diment, A.I.

Title : Concerning the Problem of the Width of the Impurity Zone of Conductivity in Atomic Semiconductors.

Orig Pub : Uch. zap. Kirovsk. un-ta, 1955, 17, 147-150

Abstract : The impurity zones are calculated for excited (2p) and un-excited (1s) state of the impurity atoms. The method of strongly-coupled electrons is used; it is proposed that the atoms of the impurity form an ideal cubic lattice. The individual atomic states are described in accordance with a hydrogen-like model. It is shown that at a certain impurity concentration (approximately 10^{17} cm $^{-3}$) the 2p-zone overlaps the 1s-level, to which factor the occurrence of the metallic conductivity is connected. Since (cf. Pearson G.L., Bardeen J., Physical Review, 1949, 75, 865) the metallic conductivity in silicon alloyed with boron (or phosphorus) occurs at concentrations that are one order of magnitude greater, it is concluded that the single-electron approximation is not adequate in this problem.

Card : 1/1

DIMANT, G., zamestitel' zaveduyushchego.

Reference and information service in Stavropol' Territory. Zhil.-kom.khoz.
3 no.10:26 O '53. (MIRA 6:11)

1. Stavropol'skiy kraykomkhoz.

(Caucasus, Northern--Information service)

(Information service--Caucasus, Northern)

DIMANT, G.

More attention to district village centers. Zhil.-kom. khoz. 5
no.8:30 '55.
(MLRA 8:6)

1. Zametitel' zavednyushchego Stavropol'skim kraykomkhosom.
(Stavropol Territory--Municipal services)

DIMANT, I. N.

Dimant, I. N. "The remote results of trauma of the spinal cord," Sbornik trudov Nauch.-issled. in-ta ortopadii, travmatologii i protezirovaniya (N-vo zdravookhraneniya Uz SSR), Vol. I, 1948, p. 111-39

SO: U-4934, 29 Oct. 53, Letopis 'Zhurn 1 'nykh Stately, No. 16, 1949).

DIMANT, I. N.

"Unconditioned Vascular and Dermatovascular Reflexes of Amputees
With Pain Syndromes." Cand Med Sci, Tashkent State Medical Inst imeni
V. M. Molotov, Tashkent, 1954. (KL, No 8, Feb 55)

So: Sum No 631, 26 Aug 55 - Survey of Scientific and Technical Diss-
ertation Defended at USSR Higher Educational Institutions.
(14)

DIMANT, I.N., kand.med.nauk

Tumors of the peripheral nerve trunks. Vop.neirokhir. 23
no.4:44-45 Jl-Ag '59. (MIRA 12:10)

1. Kafedra nervnykh bolezney Tashkentskogo meditsinskogo instituta.
(NERVES, PERIPHERAL, neoplasms,
case reports (Rus))

KALMYKOV, B.N., dotsent; DIMANT, I.N., red.; NAUMOV, A.A., dokhred.

[Focal pneumonias and radioscopic diagnosis of pneumonias associated with measles] Ob ochagovykh pnevmoniakh i rentgenodiagnostike korevykh pnevmonii. Tashkent, Uzmedgiz, 1960.
161 p.

(PNEUMONIA) (MEASLES) (LUNGS--RADIOGRAPHY)

ABDURASULOV, D.M., prof.; BRONSHTEYN, B.L., prof.; DIMANT, I.N., starshiy
nauchnyy sotrudnik

All-Union Conference on Work Coordination in the Field of Oncology.
Med. zhur. Uzb. no.6:71-73 Je '60. (MIRA 15:2)
(ONCOLOGY CONGRESSES)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

DIMANT, I.N.

Co-ordinated council on the problem of cancer in the Uzbek S.S.R.
Med. zhur. Uzb. no. 9:84-85 S '60. (MIRA 13:10)
(UZBEKISTAN—CANCER)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4"

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

ALEKSANDROV, G.N.; DIMANT, I.N., red.; TSAY, A.A., tekhn. red.

[Pathogenesis and conservative treatment of hemorrhoids]
Patogenet i konservativnoe lechenie gemorroia. Tashkent, Gos.
med. izd-vo M-va zdravookhranenia UzSSR, 1961. 82 p.
(MIRA 15:4)

(HEMORRHOIDS)

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4"

DIMANT, I.N. (Tashkent)

Modern problems of experimental blastomogenesis in the central nervous system. Usp. sovr. biol. 60 no.1:112-132 Jl-Ag '65.
(MIRA 18:8)

ABDURASULOV, D.M. & DIMANT, I.N.

Radiometric and autoradiographic methods in the study of the
mechanism of acute traumatic brain edema; experimental research.
Med. rad. 9 no.7:3-7 J1 '64. (MIRA 18:5)

I. Nauchno-issledovatel'skiy institut rentgenologii, radiologii i
onkologii Ministerstva zdravookhraneniya Uzbekskoy SSR.

DIMANT, I.N.; LOKTIONOV, G.M.; SATAYEV, M.M.

Induction of tumors of the membranes of the spinal cord in rabbits by radioactive cobalt. Vop. onk. 11 no.5:46-53 '65.

(MIRA 18:8)

1. Iz atdela eksperimental'noy onkologii (zav. - starshiy nauchnyy sotrudnik I.N.Dimant) Nauchno-issledovatel'skogo Instituta rentgenologii, radiologii i onkologii Ministerstva zdravookhraneniya UzSSR (dir. - prof. D.M.Abdurasulov).

DIMANT, I.N.; ABDURASULOV, D.M.; STOLYAROVA, A.G.; LOKTIONOV, G.M.; SATAYEV, M.M.

Reactive processes in the brain during chronic local irradiation.
Arkh.anat.gist. i embr. 48 no.3:84-90 Mr '65.

(MIRA 18:6)

1. Otdel eksperimental'noy onkologii (zav. - starshiy nauchnyy
sotrudnik I.N.Dimant) Nauchno-issledovatel'skogo instituta
rentgenologii, radiologii i onkologii Ministerstva zdravookhraneniya
Uzbekskoy SSR, Tashkent.

GRINSHPUN, S.M.; FAYN, N.G.; DIMENT, I.N.

Incorporation of radioactive phosphorus into the cardiac muscle
in rats with implanted brain tumors at various stages of their
development. Biul.eksap.biolog. med. 58 no.10:93-96 O 164.

(MIRA 18312)

1. Otdel eksperimental'noy onkologii (zav. - I.N.Diment) Nauchno-
issledovatel'skogo instituta rentgenologii, radiologii i onkologii
(dir. - prof. D.M.Abdurasulov) Ministerstva zdravookhraneniya
Uzbekskoy SSR, Tashkent. Submitted July 10, 1963.

DIMANT, I.N.; LOKTIONOV, G.M.; SATAYEV, M.M.; LI, M.I.

Effectiveness of combined methods in treating neuroectodermal tumors. Pat. fiziol. i eksp. terap. 9 no.1:46-49 Ja-1' '65.
(MIRA 18:11)

1. Otdel eksperimental'noy onkologii (zav. - I.N. Dimant)
Instituta rentgenologii, radiologii i onkologii (direktor - prof.
D.M. Abdurasulov), Tashkent.

L 28018-66

ACC NR: AP6018195

SOURCE CODE: UR/0242/65/000/004/0026/0029

AUTHOR: Isamukhamedov, B. N. i Grinshpun, S. M.; Dimani, I. N.

40
BORG: Department of Experimental Oncology, Scientific Research Institute of Roentgen-
ology, Radiology and Oncology, Ministry of Health, UzSSR (Otdel eksperimental'noy
onkologii Nauchno-issledovatel'skogo instituta rentgenologii, radiologii i onkologii
Ministerstva zdravookhraneniya UzSSR)TITLE: Materials for a study of phosphorous metabolism in the tissues of the central
nervous system of rats at various stages of development of a malignant glioma im-
planted in the brain

SOURCE: Meditsinskiy zhurnal Uzbekistana, no. 4, 1965, 26-29

21

TOPIC TAGS: central nervous system, rat, brain, biologic metabolism, tumor, radio-
isotope, phosphorous

22

ABSTRACT: Rats were sacrificed 5, 10 and 14-15 days after implantation of the malignant tumor. Four hours before decapitation $\text{Na}_2\text{P}^{32}\text{O}_4$ was administered intraperitoneally. Total phosphorus and phosphorus in several individual fractions of the brain were measured. The authors found that even after five days there was a 57% reduction in assimilation of radioactive phosphorus in the white matter of the left hemisphere (the side where the tumor was implanted). After 10 and 14-15 days a further decrease of the radioisotope was noted in total phosphorus of the white matter of both hemispheres (more pronounced on the injured side -- up to 20%). In the gray matter of the cerebral hemispheres the inclusion of P^{32} increased quite

Card 1/2

L 28018-66

ACC NR: AP6018195

evidently (by 45-55%) in the first 5 days; it then dropped 47% after 10 days and 62% after 14-15 days. The results indicate that developing brain neoplasms are characterized by a high level of metabolism, including that of phosphorus. This marked intensification of metabolism in the early stages of development is pronounced throughout the course of the disease -- to the natural death of the animal. [JPRS]

SUB CODE: 06, 18 / SUBM DATE: 03Jun64

Card 2/2

90

RYENIKOV, N.I.; DIMANT, M.I.

Complications in corticosteroid treatment. Vrach. delo no.2;
147-148 F'64
(MIRA 174)

1. Kafedra propedevticheskoy terapii (ispolnyayushchiy ob-
yazaniostи zaveduyushchego - kand. med. nauk R.I. Rydyk)
Vinnitskogo meditsinskogo instituta i terapevticheskoye ot-
deleniya Uzlovoj klinicheskoy bol'nitsy stantsii Vinnitsa.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

DIMANT, O.V., LUKASHEVICH-DUVANOVA, Yu.T., SAMARIN, A.M.

"Structure of Non-Metallic Inclusions and Oxide Films in Ferrochrome Alloys,"
lecture given at the Fourth Conference on Steelmaking, A.A. Baikov Institute of
Metallurgy, Moscow, July 1-6, 1957

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4"

DIMANT, O. V.

НЕМЕТАЛЛИЧЕСКИЕ ВКЛЮЧЕНИЯ СТАЛИ

С.И.Попов Г.Р.Комаров	Очистка зерновой стали от тугоплавких включений
С.И.Волков А.И.Семёров	Влияние метода раскисления стали и заливаемой печи на процесс ее десульфуризации.
Д.К.Бутыгин Л.И.Макаров	Влияние никеля на обессыпление соры в структуре зерна стали.
С.Г.Ростовцев Д.Н.Туринов В.И.Балашовский К.С.Пресняков	Оценка неметаллических включений в извлеянной разлеске стали.
В.А.Урюпин К.Г.Луканин-Дузанов	Включения в макроуглеродистой стали, содержащей титан.
Х.И.Луцишев-Дузанов С.И.Волков С.И.Комаров	Включения в макроуглеродистой стали, содержащей марганец и содиум.
А.И.Комаров	Осадочный раскисление в зерновой макроуглеродистой стали.
С.Г.Волков П.И.Денисов	Разработка и внедрение новой технологии очистки макроуглеродистой стали.
В.И.Каренов П.И.Артем	Влияние сульфидов углерода распределения металла

Report submitted for the 5th Physical Chemical Conference on Steel Production, Moscow-- 30 Jun 1959.

PLEASE I SEND REPRINTATION - 007/0045

Academija nauk SSSR. Komisija po analiticheskoj khimi.
Metody opredeleniya prisutstviya v chistykh metalakh (Metoda de terminirovaniia elementov v pure metala) Moscow, 1960. 411 p. (Series: Itc: Trudy, 12) 3,500
kopiee printed.

Reed, R.A.: A.P. Fingerer, Administration; and D.I. Rybachkin, Doctor of Chemical Sciences; Ed. of Publishing House: N.P. Volynets; Tech. Ed.: T.V. Polyanova.

PROMISE: This collection of articles is intended for chemists, metallurgists, and engineers.

CONTENTS: The articles describe methods for detecting and determining various elements and their traces in pure metals. Also discussed are many chemical, physicochemical, electrochemical, spectrometric and luminescence methods of analyzing materials of high purity. The editors state that these methods have been developed within the last five or six years by various Soviet scientific institutions, and are not widely used in research and testing laboratories of the Soviet Union. No personal bias are admitted. References, mostly Soviety, accompany each article.

Kurbatov, A.N., G.M. Kurnikova, O.G. Mironova, and I.I. Smirnova. Operativno-tekhnicheskij metod de terminirovaniia admixtur v metallochernimii Rossii 25

Mashkov, A.K., and T.G. Galimova. Spectroscopic Detection of Small Quantities of Oxygen in Metals in Metallic Germanium 35

Mashkov, A.K., and V.G. Kostylev. Determination of Nitrogen Microinclusions in Metallic Germanium 45

Mashkov, A.K., A.F. Tolmachev, and O.P. Matro. Determination of Small Quantities of Oxygen in Metallic Germanium 55

Mashkov, A.K., A.F. Tolmachev, and N.G. Zemskova. Determination of Nitrogen in Metallic Germanium 65

Mashkov, A.K., A.A. Slobtsova, and I.A. Zhuravleva. Determination of Admixtures of Lead, Silicon, Zinc, and Cadmium in Tin Oxide and in Tin Oxide Alloys 75

Obraztsova, I.P. Spectrographic Determination of Nickel and Titanium in Ores and Minerals 75

Obraztsova, D.V., I.V. Vaynshteyn, L.V. Baranov, M.L. Volpert, V.M. Kostylev, and Yu. I. Shcheglov. Spectrochemical Method of Determining Cobalt, Chromium, Nickel, and Zinc in Tin Oxide 85

Obraztsova, D.V., and M.M. Stepanov. Determination of Nonmetallic Inclusions in Commercially Pure Tin Oxide 95

Olsuf'ev, A.A. Tin Oxide. Vvedenie v proizvodstvo i torgovli 95

Parshikov, A.N., Yu. I. Kryzhev, P.Z. Sotnikov, and S.Y. Sosulin. Determination of Cobalt in Tin Oxide and Tin Oxide Dioxide 105

Rybachkin, D.I., and M.M. Stepanov. Determination of Nonmetallic Inclusions in Commercially Pure Tin Oxide 115

Sobolev, A.A., Yu. I. Kryzhev, S. P. Parshikov, and O.V. Sosulin. Determination of Nonmetallic Inclusions in Tin Oxide and Tin Oxide 125

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Sobolev, A.A., Yu. I. Kryzhev, P.Z. Sotnikov, and S.Y. Sosulin. Determination of Cobalt in Tin Oxide and Tin Oxide Dioxide 155

Sobolev, A.A., Yu. I. Kryzhev, P.Z. Sotnikov, and S.Y. Sosulin. Determination of Cobalt in Tin Oxide and Tin Oxide Dioxide 165

Sobolev, A.A., Yu. I. Kryzhev, P.Z. Sotnikov, and S.Y. Sosulin. Spectroscopic Determination of Cobalt in Tin Oxide 175

Sobolev, A.A., Yu. I. Kryzhev, P.Z. Sotnikov, and S.Y. Sosulin. Spectroscopic Determination of Cobalt in Tin Oxide 185

Sobolev, A.A., Yu. I. Kryzhev, P.Z. Sotnikov, and S.Y. Sosulin. Spectroscopic Determination of Cobalt in Tin Oxide 195

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SAMARIN, A.M.; LUKASHEVICH-DJANOVA, Yu.T.; DIMANT, O.V.

Determination of nonmetallic inclusions in niobium and zirconium.
Trudy Kom. anal. khim., 12:94-107 '60. (MIRA 13:8)
(Nb--Analysis) (Zr--Analysis)
(Nonmetallic minerals)

DIMANT, O V

14

PHASE I BOOK EXPLOITATION SOV/5411

Konferentsiya po fiziko-khimicheskim osnovam proizvodstva stali. 5th,
Moscow, 1959.

Fiziko-khimicheskiye osnovy proizvodstva stali; trudy konferentsii
(Physicochemical Bases of Steel Making; Transactions of the
Fifth Conference on the Physicochemical Bases of Steelmaking)
Moscow, Metallurgizdat, 1961. 512 p. Errata slip inserted.
3,700 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut metallurgii imeni
A. A. Baykova.

Responsible Ed.: A. M. Samarin, Corresponding Member, Academy
of Sciences USSR; Ed. of Publishing House: Ya. D. Rozentsveig.
Tech. Ed.: V. V. Mikhaylova.

Card 1/16

Physicochemical Bases of (Cont.)

115
SOV/5411

PURPOSE: This collection of articles is intended for engineers and technicians of metallurgical and machine-building plants, senior students of schools of higher education, staff members of design bureaus and planning institutes, and scientific research workers.

COVERAGE: The collection contains reports presented at the fifth annual convention devoted to the review of the physicochemical bases of the steelmaking process. These reports deal with problems of the mechanism and kinetics of reactions taking place in the molten metal in steelmaking furnaces. The following are also discussed: problems involved in the production of alloyed steel, the structure of the ingot, the mechanism of solidification, and the converter steelmaking process. The articles contain conclusions drawn from the results of experimental studies, and are accompanied by references of which most are Soviet.

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Physicochemical Bases of (Cont.)	SOV/5411
Urazova, V. A., and Yu. T. Lukashevich-Duvanova. Inclusions in the Titanium-Containing Low-Carbon Steel	354
Lukashevich-Duvanova, Yu. T., and O. V. Dimant. Inclusions in Zirconium-and Niobium-Containing Low-Carbon Steel	364
Kholodov, A. I. Precipitation Deoxidation in a Basic Electric Furnace	384
Kholodov, A. I. Precipitation Deoxidation in an Acid Electric Furnace	391
Voinov, S. G. Development and Introduction of New Techniques in Making Ball-Bearing Steel; Mechanism of the Formation of Nonmetallic Inclusions	398
Ageyev, P. Ya. Kinetics of Metal Deoxidation Processes	422

Card 13/16

URAZOVA, V.A. (Moskva); DIMANT, O.V. (Moskva); SUY YUY-TSZYAN' [Sui Yü-chien]
(Moskva)

Nonmetallic inclusions in binary nickel alloys with aluminum,
manganese and silicon. Izv. AN SSSR. Otd. tekhn. nauk. Met. i gor.
delo no.4:145-150 Jl-Ag '63. (MIRA 16:10)

ACCESSION NR: APl040988

S/0279/64/000/003/0148/0153

AUTHORS: Urazova, V. A. (Moscow); Dimant, O. V. (Moscow); Sui, Yu-chien (Moscow)

TITLE: Nonmetallic inclusions in alloys on a nickel base

SOURCE: AN SSSR. Izvestiya. Metallurgiya i gornoye delo, no. 3, 1964, 148-153

TOPIC TAGS: nonmetallic inclusion, nickel alloy, chromium, titanium, EI617 alloy, NO000 nickel, Kh1 chromium, induction furnace

ABSTRACT: The authors studied the nature of nonmetallic inclusions in alloys of Ni-Ti, Ni-Cr, and EI617 and the effect of remelting in vacuum on the amount of nonmetallic inclusions. The Ni-Ti and Ni-Cr alloys were prepared in an open induction furnace with magnesite lining and were remelted in a vacuum furnace (pressure 1×10^{-3} to 5×10^{-4} mm Hg) using a surface current of 200 amp/cm². The metals used for these alloys were electrolytic Ni of brand NO000, porous Ti, and metallic Cr of brand Kh-1. For the alloy EI617, factory-manufactured rods 30 mm in diameter were used. These rods were remelted in the vacuum furnace mentioned above. The investigation showed that in the Ni-Ti alloys nonmetallic inclusions occur as spinels of $\text{Ni}_2\text{-Ti}_2\text{O}_3$ with varying compositions and also as alpha- Ti_2O_3 .

Card 1/2

ACCESSION NR: AP4040988

In Ni-Cr alloys, inclusions of $\text{NiO-Cr}_2\text{O}_3-\text{Al}_2\text{O}_3$ spinels were observed. The inclusions in the EI617 alloy consisted of carbides and nitrides of Ti and of spinel-like complex substances. The nature of these inclusions did not change after remelting, but their quantity did change. The amount of oxygen-bearing inclusions was almost halved after remelting in vacuum. Orig. art. has: 3 tables and 3 figures.

ASSOCIATION: none

SUBMITTED: 30May63

ENCL: 00

SUB CODE: NM

NO REF Sov: 004

OTHER: 000

Card 2/2

DIMANT, G. Ya.

Characteristics of general anesthesia in radical surgery
on the rectum and large intestine. Akt. vop. prokt. no. 2:
215-222 '63 (MIRA 18:1)

DIMANT, P.I.

PANCHENKO, A.V.; USHAKOV, K.A., doktor tekhnicheskikh nauk, professor,
zasluzhennyy deyatel' nauki i tekhniki; retsenzent; TURKUS, V.A.,
dotsent, retsenzent; KHANZHENOKOV, V.I., kandidat tekhnicheskikh
nauk; retsenzent; VYREVICH, N.I., kandidat tekhnicheskikh nauk,
retsenzent; DIMANT, P.I., inzhener, retsenzent; GEL'MAN, D.Ya.,
redaktor; LABUS, G.I., tekhnicheskiy redaktor.

[Ventilator systems for elevators, mills, groats and mixed feed
plants] Ventiliatsionnye ustavokii elevatorov mel'nits, krupianykh
i kombikormovykh zavodov. Izd. 2-e pererab. i dop. Moskva, Izd-vo
tekhnicheskoi i ekonomicheskoi lit-ry po voprosam zagotovok, 1954.
371 p. (MLRA 7:11)

1. Dotsent Odesskogo tekhnologicheskogo instituta imeni Stalina (for
(Ventilation)
Panchenko)

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

DIMANT, R. I., GIMMOVSKY, I. I.

Value of roentgenologic investigation in intestinal invagination. Vest. Khir.
72, No 2, 1952.

APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4"

DIMANT, R. L.

USSR/Chemistry - Synthesis

Card 1/1 Pub. 151 - 8/33

Authors : Kokorin, A. I., and Dimant, R. L.

Title : Hetero-triacids. Part 2.- Silicomolybdenovanadic acid

Periodical : Zhur. ob. khim. 24/6, 971-974, June 1954

Abstract : The optimum conditions favorable for the synthesis of silicomolybdenovanadic acid by the etheral method were determined. The composition of the synthesized acid and some of its physico-chemical properties are described. The effects of the nature of the basic substances, their quantitative ratio, acidity of the medium during the formation of the complex anion and etherate, temperature and order of reagent introduction on the yield of the synthesizing product, are explained. Table.

Institution : State University, Kishinev

Submitted : August 15, 1953

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SOV/81-59-24-85071

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 24, p 56 (USSR)

AUTHORS: Rvachev, A.L., Dimarova, Ye.N.

TITLE: On Some Peculiarities of Photo- and Electroconductivity of Cuprous Oxide

PERIODICAL: Nauchn. zap. L'vovsk. politekhn. in-t, 1958, Nr 57, pp 149 - 154

ABSTRACT: The effect of thermal treatment on the structure of the energy spectrum of cuprous oxide Cu_2O was studied by the change in the spectral distribution of photoconductivity and electroconductivity σ . Cu_2O was obtained by the oxidation of electrolytical copper at $950 - 1,030^\circ\text{C}$ in the course of 6 - 10 days. After thermal and electric current aging (80°C , 2 mA/cm^2) the samples had σ values of $10^{-3} - 10^{-5} \text{ ohm}^{-1}\text{cm}^{-1}$ and a value of activation energy ΔE of $0.07 - 0.40 \text{ ev}$. Samples with high σ and ΔE of $0.047 - 0.24 \text{ ev}$ have a photosensitivity with a maximum at $\lambda 630 \text{ m}\mu$. With an increase in ΔE the principal maximum at $630 \text{ m}\mu$ decreases and the photosensitivity increases at $840 \text{ m}\mu$. After deoxygenation in the vacuum the samples had a σ of

Card 1/2

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SOV/81-59-24-85071

On Some Peculiarities of Photo- and Electroconductivity of Cuprous Oxide

10^{-7} ohm $^{-1}$ cm $^{-1}$ and ΔE of 0.6 ev, and the maximum shifted to the near infrared region (840 m μ). Based on the experimental results it is stated that the energy spectrum of Cu₂O has a complex character, and that acceptor as well as donor admixture centers are existing in Cu₂O. The mechanism of origination and change in the maxima of photoconductivity is discussed.

I. Svetlov

4

Card 2/2

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S/181/62/004/001/026/052
B102/B104

AUTHORS: Andriyevskiy, A. I., Dimarova, Ye. N., and Pidorya, M. M.

TITLE: Thermal conductivity of Cu₂O single and polycrystals

PERIODICAL: Fizika tverdogo tela, v. 4, no. 1, 1962, 163-167

TEXT: A comparison of published results shows that the heat conduction coefficient of Cu₂O differs by 100 % with the use of different measuring methods. Kh. I. Amirkhanov (Izv. AN Az.SSR, 1, No. 4, 1946) has shown that $\lambda T = \text{const}$ for Cu₂O between 93 and 763°K, which is indicative of pure phonon heat conduction. It was now studied in how far the crystal structure and the impurity concentration affect the thermal conductivity, since, e.g., phonon scattering from grain boundaries and impurity centers may play a role. The specimens investigated were prepared from M-O (M-O) copper and subjected to different kinds of heat treatment in air or vacuo. The experimental arrangement for heat-conduction measurement (Fig. 1) had a measuring accuracy of 0.02%. The maximum error in λ measurement was $\leq 3\%$. Electrical conductivity σ and carrier concentra-

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S/181/62/004/001/026/052
B102/B104

Thermal conductivity of Cu₂O single...

tion were determined as usual. Monocrystalline specimens were found to have λ values independent of σ : $\lambda = 8.4 \cdot 10^{-3}$ cal/cm.sec.deg though the carrier concentrations differed from one another by 2-3 orders of magnitude. For polycrystalline specimens, λ was found to decrease with increasing number of grains, and λ was lower for specimens annealed in air, i.e., λ increases with increasing σ . The phonon mean free path can be estimated using the gas-kinetic relation $\lambda = cvl_{ph}/3$, where c = specific heat of Cu₂O, and v = sonic velocity. For $\lambda = 8.4 \cdot 10^{-3}$ cal/cm.sec.deg, $l_{ph} = 17 \cdot 10^{-8}$ cm, i.e., $l_{ph} \sim 4a$; the lattice constant $a = 4.26 \cdot 10^{-8}$ cm. The results can be explained when assuming that the impurity centers in Cu₂O are not only vacancies of Cu ions but also excess oxygen atoms. The phonons are scattered by them as well as from the grain boundaries. There are 3 figures, 1 table, and 10 references: 7 Soviet and 3 non-Soviet. The two references to English-language publications read as follows: W. Moore, B. J. Selikson. J. Chem. Phys. 19, 1951; J. Bardeen et al. Chem. Phys. 14, No. 12, 1945.

Card 2/3

Thermal conductivity of Cu_2O single...

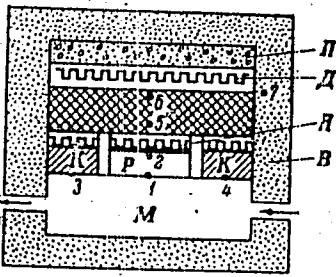
33354
S/181/62/004/001/026/052
B102/B104

ASSOCIATION: L'vovskiy politekhnicheskiy institut (L'vov Polytechnic Institute)

SUBMITTED: June 19, 1961 (initially)
July 17, 1961 (after revision)

Fig. 1. Experimental arrangement.

Legend: (1) - (7) copper-constantan thermocouples;
(H) foam plastics;
(D) additional heater;
(H) main heater; (K) insulating ring;
(P) specimen; (B) cotton wool;
(M) copper plate as coolant.



X

Card 3/3

DIMAROVA, Ye.N.

History of studying the semiconducting properties of cuprous oxide. Trudy Inst. ist. est. i tekhn. 43:165-181 61. (MIRA 15:1)
(Russia--Mathematics--Study and teaching)

I-100-65 EPT(b)/EP(c)/EMP(l)
ESI(gs)/ESD(dp)/ESD(t)/RAEM(t) RM AS(ep)-9/PWL/ASD(s)-5/SSD/APM(t)/

ACCESSION NR: AP4044977

8/0181/64/006/009/2878/2879

AUTHORS: Dimarova, Ye. N.; Poplavko, Yu. M.

TITLE: Temperature dependence of the thermal conductivity of
triglycerin sulfate

SOURCE: Fizika tverdogo tela, v. 6, no. 9, 1964, 2878-2879

TOPIC TAGS: triglycerin sulfate, thermal conductivity, temperature
dependence, ferroelectric material, single crystal, dielectric con-
stant

ABSTRACT: An investigation was made of the temperature dependence of
the coefficient of thermal conductivity of triglycerin sulfate (TGS),
in view of the interesting property of self-stabilization TGS, where-
by the sample temperature is maintained constant automatically near
the Curie point upon application of an electric voltage, and is
practically independent of the ambient temperature. The thermal and

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I. 7004-65

ACCESSION NR: AP4044977

electric measurements were made under identical conditions using the same Y-cut single crystal with both the electric field and the temperature gradient applied in the [010] direction. The dielectric properties were measured by a bridge method and the thermal conductivity by a method described earlier (A. I. Andriyavskiy, Ye. N. Dinarova, M. M. Bidorya, VIT v. 4, 163, 1962). The results are shown in Fig. 1 of the enclosure. The thermal conductivity of TGS decreases with increasing temperature, but more slowly than T^{-1} . There may be a slight maximum in the thermal conductivity at the Curie point, but it amounts to only 2--3%, i.e., practically within the limits of the experimental accuracy. This compares with about 16% for BaTiO₃. It is suggested that the self-stabilization of TGS is due not only to the sharp decrease in the losses near the Curie point, but also to the relatively low thermal conductivity. Olig. art. has: 1 figure.

ASSOCIATION: None

Card 2/4

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

IL 71004-55

ACCESSION NR: AF4044977

SUBMITTED: 22Feb64

SUB (O)B: SS, TD

NR REF Sovt 003

ENCL: 01

OTHER: 003

Card 3/4

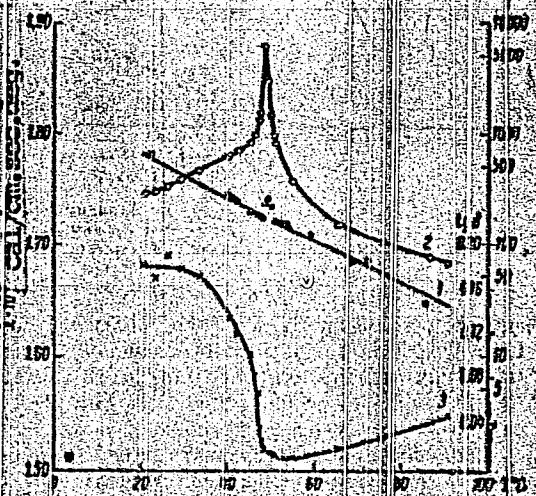
APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4"

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ACCESSION NR: AP4044977

ENCLOSURE 0



Card 4/4

Fig. 1.
Temperature dependence of the
coefficient of thermal conductivity
(1), the dielectric constant (2),
and the loss-angle tangent (3) for
triglycine sulfate

DIMAROVA, Ye. N.; PCPLAVKO, Yu.M.

Temperature dependence of the thermal conductivity of triglycine sulfate. Fiz. tver. tela 6 no.9:2878-2879 S '64.

(MIRA 17:11)

L 05810-67 EWT(l)/EWT(m)/EWP(t)/EPI LJP(c) JD/AT

ACC NR: AR6031883 SOURCE CODE: UR/0058/66/000/006/E090/E090

AUTHOR: Dimarova, Ye. N.; Shenderovskaya, M. A.

TITLE: Electric and thermoelectric properties of some oxide systems with controlled valence

SOURCE: Ref. zh. Fizika, Abs. 6E705

REF SOURCE: Vestn. Kiyevsk. politekhn. in-ta, Ser. radioelektron., no. 2, 1965, 132-140

TOPIC TAGS: metal oxide, metal oxide system, variable valence, controlled valence

ABSTRACT: The electric and thermoelectric properties of oxide compounds of metals with a variable valence ($\text{Li}_x\text{Ni}_{1-x}\text{O}$, $\text{Nb}_x\text{Ni}_{1-x}\text{O}$, $\text{Nb}_x\text{Ce}_{1-x}\text{O}$) have been investigated at x values of 0.05—9% over a 300—800K range. The observed variations in the conductivity (σ) and thermal emf (α), with the introduction of impurities, for these systems demonstrate that the principle of controlled valence has been maintained; the introduction into the metal oxide lattice of variable valence of p-type NiO ions of lower valence Li^+ with a stable electron shell results in a sharp increase of σ and a decrease of α , while the type of conductivity remains unchanged.

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L 05810-67

ACC NR: AR6031883

Higher-valence ions of Nb⁵⁺ reduce σ and slightly increase α . The introduction of the same quantity of Nb⁵⁺ into the oxide lattice of a heavier metal of equal valence results, on the contrary, in an increase in σ and a reduction in α . With an increase in temperature, σ increases according to the exponential law in all systems. Values of current carrier concentration and mobility are calculated on the basis of data on σ and α . Very small mobility values of current carriers (10^{-3} — 10^{-6} cm²/v · sec) and a strong increase in mobility with an increase in temperature, as well as the small current carrier concentration value, are in good agreement with theoretical conclusions (Iamasita, I. et al. Sb. "Dielektrich. spektroskopiya, IL, 1960). [Translation of abstract]

SUB CODE: 20 /

Card 2/2 *dh*

Card 1/3

13736-55
ACCESSION NR: AP5016135

full width at half-maximum of the heat conductivity peak ranged from about 10° to 30° for the different materials. The maxima were shifted by about 2° with respect to the Curie points. It is suggested that these shifts are related to the similar shift of the heat capacity maximum observed in barium titanate. At temperatures well below the Curie point the thermal conductivity decreased with increasing temperature; at temperatures well above the Curie point the thermal conductivity increased with increasing temperature. It is suggested that the increase of thermal conductivity with increasing temperature at high temperatures may be due to the participation of excitons in the heat conduction process. To account for the temperature dependence of the thermal conductivity of barium titanate above 300°C it is necessary to assume an activation energy of 0.8 eV for the excitons; this value is regarded as not unreasonable. The heat conductivities of BaTi_{1-x}Sn_xO₃ solid solutions were found to decrease with increasing

ACC NR: AT6034359

SOURCE CODE: UR/0000/66/000/000/0179/0182

AUTHOR: Dimarova, Ye. N.

ORG: Kiev Polytechnical Institute (Kiyevskiy politekhnicheskiy institut) 34

TITLE: A high temperature thermistor on the ZnO—NiO—Fe₂O₃ system B-1.

SOURCE: AN UkrSSR. Poluprovodnikovaya tekhnika i mikroelektronika (Semiconductor engineering and microelectronics). Kiev, Naukova dumka, 1966, 179-182

TOPIC TAGS: thermistor, resistor, ferrite, ferromagnetic material

ABSTRACT: A ZnO(17.2%)-NiO(32.8%)-Fe₂O₃(50%) mixture was tested to determine its possible application in thermistor production. A cylindrical sample ($d = 7$ mm, $h = 1.5$ mm) was prepared by annealing at 920C, pressing at 1500 kg/cm², and firing at 1200C for two hours. The electrodes were formed by brazing silver paste. Resistivity was measured within $\pm 1^\circ \text{--} 5^\circ$ using the bridge method. During measuring the resistivity was varied exponentially from 10^7 ohm·cm at room temperature to 14 ohm·cm at 890C. The temperature coefficient of resistivity was -7.6%/degree at 20C and -2.8%/degree at 200C. The maximum of the volt-ampere characteristic is 300 v at 75C; the maximum power dissipation which does not produce overheating is 10,000 mw. These data, along with the high stability of the sample's electrical parameters and its wide temperature operation range, indicate its potential applications in thermistor production. Orig. art. has: 2 figures.

SUB CODE: 09/ SUBM DATE: Jan66/ ORIG REF: 002/ OTH REF: 001/ ATD PRESS: 5102
Card 1/1 bc

DIMARS'KIY, Ya.S.; LISITSYA, M.P.

Effect of interference on the polarization properties of multi-layer films. Nauk.zap.Kiev.un. 15 no.5:19-26 '56. (MIRA 10:7)
(Interference (Light)) (Polarization (Light))

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

DIMASHKO, A.D.,
KISELEV, N.N.; KUZHEL', M.G.; DIMASHKO, A.D.; IL'IN, P.L.

Permissible pitch of cable binding on the drum of a hoisting machine.
Ugol' 29 no.11:27-31 '54. (MIRA 7:11)

1. Otdel Glavnogo konstruktora Nova-Kramatorskogo mashinostroitel'nogo zavoda im. Stalina.
(Mine hoisting)

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CIA-RDP86-00513R000410410007-4"

~~ALEKSANDR DOMINIKOVICH~~
DIMASHKO, A-D.

KISELEV, Nikolay Nikolayevich; KUZHEL', Maksim Georgiyevich; DIMASHKO,
Aleksandr Dominikovich; IL'IN, Petr Iakich; KARPYSHEV, N.S., re-
daktor; ZAIKOVYVA, I.A., redaktor; ALADOVA, Ye.I., tekhnicheskij
redaktor

[Mine hoisting machinery (mechanical part); construction atlas]
Shakhtnye podzemnye mashiny (mekhanicheskaja chast'); atlas kon-
struktsii. Moskva, Ugletekhizdat, 1955. 114 p. (MLRA 9:1)
(Mine hoisting)

GERSHIKOV, Iosif Yakovlevich; GLINSKIY, Anatoliy Konstantinovich; DIMASHKO,
Aleksandr Dominikovich; KREVNIEVICH, Anton Aleksandrovich; NAYDENKO,
I.S., otv.red.; D'YAKOVA, G.B., red.izd-va; ALADOVA, Ye.I., tekhn.red.

[Electric winches and hoists for mines; a manual] Shakhtnye elektri-
cheskie lebedki i podzemnye mashiny; spravochnik. Moskva, Ugle-
tekhizdat, 1958. 484 p.
(Mine hoisting)

DIMASHKO, A.D.; ERODSKIY, V.I.

Air hydraulic pressure accumulator. Ugol' Ukr. 3 no.8:34 Ag '59.
(MIRA 12:12)

1.Zavod im. 15-letiya Leninskogo kommunisticheskogo soyuza molodezhi
Ukrainy.
(Hoisting machinery--Hydraulic driving)

AUTHORS: Dimbitskiy, I.N. and Levitskiy, G.S.
TITLE: Frame for transporting large reinforced concrete panels on
a lorry without trailer. (Ferma dlya perevozki krupnykh
zhelezobetonnykh paneley na avtomashine bez pritsepa). 97-5-8/13
PERIODICAL: "Beton i Zhelezobeton" (Concrete and Reinforced Concrete)
1957, No.5, pp.213. (USSR).

ABSTRACT: The size of the transported panels is 4.8 m (wide) x 6.4 m
(long). It was found impossible to transport them on ordinary lorries. The use of trailers was found to be unsatisfactory. The illustrated construction solves this problem. It was designed by I.N. Dimbitskiy of the Stalinskpromstroy factory. It comprises an "L"-shaped frame with 2 inclined platforms pivoted onto the ends of the frame. These platforms are kept in the inclined position by 2 cables tightly stretched by a spring coupling and screw. This construction is mounted on the lorry chassis ZIL - 151 (ЗИЛ - 151). The weight of this construction is 500 kg. This lorry was tested by transporting long reinforced concrete units weighing 4.5 t. of 4.8 - 6.4 m length and of 1.8 m width. The tests were carried out on unconsolidated roads for 2 months, in double-shifts. The lorry proved to be satisfactory and no breakage of panels occurred. The advantage of arranging

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DIMASHKO, A.D.

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PHASE I BOOK EXPLOITATION

SOV/5473

Gornoye delo; entsiklopedicheskiy spravochnik. t. 8: Statsionarnoye elektromekhanicheskoye oborudovaniye. Elektrosnabzheniye shakht (Mining Industry; an Encyclopedic Handbook. v. 8: Stationary Electro-mechanical Equipment. Electric Power Supply to Mines) Moscow, Gosgortekhizdat, 1960. 784 p. Errata slip inserted. 18,500 copies printed.

Chief Ed.: A. M. Terpigorev (Deceased); Members of the Editorial Board: A. I. Baranov, F. A. Barabanov (Deceased), A. A. Boyko, V. K. Buchnev, A. N. Zaytsev; Deputy Chief Eds: I. K. Kit and N. V. Mel'nikov; I. N. Plaksin, N. M. Pokrovskiy, A. A. Skochinskiy (Deceased), A. O. Spivakovskiy, I. K. Stanchenko, A. P. Sudoplatov, A. V. Topchiyev, S. V. Troyanskiy, A. K. Kharichenko, L. D. Shevyakov and M. A. Shchedrin; Editorial Board for this volume: Resp. Ed.: F. A. Barabanov; Deputy Resp. Ed.: Z. M. Melamed; N. A. Arzamasov, G. M. Yelanchik, V. K. Yefremov, B. I. Zasadych, I. M. Zhumakhov, N. A. Letov, P. P. Nesterov, I. A. Rabinovich, K. I. Skorkin, and V. A. Sumchenko; Authors: G. A.

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Mining Industry (Cont.)

SOV/5473

Babak, Candidate of Technical Sciences, V. D. Belyy, Professor,
Doctor of Technical Sciences, K. S. Borisenko, Candidate of Technical
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date of Technical Sciences, Ya. M. Smorodinskiy, Candidate of Technical
Sciences, K. A. Ushakov, Honored Scientist and Technologist, Professor,
Doctor of Technical Sciences, B. M. Furmanov, Engineer, and N. N. Cheren-
avkin, Engineer. Eds.: Ya. M. Drozdov, Engineer, B. I. Zasadych,

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Mining Industry (Cont.)

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Candidate of Technical Sciences, N. S. Karpyshev, Candidate of Technical Sciences, N. A. Letov, Candidate of Technical Sciences, Z. M. Melamed, Candidate of Technical Sciences, Yu. A. Mikheyev, Engineer, V. P. Morozov, Engineer, V. I. Polikovskiy, Professor, Doctor of Technical Sciences, I. A. Rabinovich, Engineer, M. S. Rabinovich, Candidate of Technical Sciences, I. A. Raskin, Engineer, V. S. Tulin, Engineer, S. Ye. Unigovskiy, Engineer, K. A. Ushakov, Honored Scientist and Technologist, Professor, Doctor of Technical Sciences, M. M. Sheinakhonov, Candidate of Technical Sciences, P. F. Shishkov, Candidate of Technical Sciences, and V. B. Yablonovskiy, Engineer; Eds. of Publishing House: N. A. Arzamasov and T. I. Rybal'nik; Tech. Ed.: V. L. Prozorovskaya and M. A. Kondrat'yeva.

PURPOSE: This handbook is intended for mining and mechanical engineers as well as for other skilled personnel of the mining industry concerned with the handling and operation of various installations and equipment used in mines.

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Mining Industry (Cont.)

SOV/5473

COVERAGE: Volume VIII of the mining handbook contains detailed information on mine hoisting installations, machines and equipment, mine ventilation units, duct systems, dewatering facilities, various types of pumps, pump meters, pumping stations, and the automatic remote control of these units. The handbook also describes and explains the operation of the air compression units and compressors. Heat-generating and heat-supply equipment of mines is described, as are the electric power supply systems and other electrical equipment such as transformers, power distribution systems, and grounding devices. Telephone communication and signaling systems used in mines are also treated. No personalities are mentioned. Each part of the handbook is accompanied by references, mostly Soviet.

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GERSHIKOV, Iosif Yakovlevich; GLINSKIY, Anatoliy Konstantinovich;
DIMASHKO, Aleksandr Dominikovich; KREVNIEVICH, Anton
Aleksandrovich; D'YAKOVA, G.B., red.izd-va; LOMILINA,
L.N., tekhn. red.

[Electric mine winches and hoisting machines] Shakhtrye
elektricheskie lebedki i pod'emnye mashiny; spravochnik.
Moskva, Gosgortekhizdat, 1963. 447 p. (MIRA 17:2)

PIMBOIANU, Margareta, arh.

Institute of Inframicrobiology, Bucharest. St si Teh Buc 15 no.6:
10-11 Je '63.

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TECHNOLOGY

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CELUZOZA SI HIRTIE. (Asociatia Stintifica a Inginerilor si Tehnicienilor din Romania si Ministerul Industriei Petrolului si Chimie). Bucuresti, Romania. Vol. 8, no. 1, Jan. 1959.

Monthly List of East European Accessions (EEAI) ID, Vol. 8, no. 7 July, 1959.

Uncl.

ELMEGUT, A., Ing.

The FB-3 type band saw for furniture making. Ind 1emnului 14 no.2:
61-64 R 165.

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The MRG type planing machine. Ind lemnului 14 no.3:99-101 Mr '63.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410410007-4

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A planing machine of the MJ-5 type. Ind lemnului 14 no.4:144-147
Ap '63.

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